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AMENDMENTS TO THE CLAIMS

Changes are shown by strikethrough (for deleted matter) and underlining (for added matter). Claims 1-18, 33-34, and 40-41 remain as originally filed. Claims 42 and 43 have been added herein.

- (Original) A housing for protecting an integrated circuit device comprising:

 a molded body encapsulating the integrated circuit device; and
 at least one magnetically permeable foil applied to an outer surface of the molded body.
- 2. (Original) The housing of Claim 1, wherein the integrated circuit device comprises at least one magnetic thin film.
- 3. (Original) The housing of Claim 1, wherein the molded body comprises an organic material.
- 4. (Original) The housing of Claim 3, wherein the organic material comprises an epoxy mold compound.
- 5. (Original) The housing of Claim 1, wherein the molded body encapsulates the integrated circuit device on a plastic substrate.
- 6. (Original) The housing of Claim 5, wherein the plastic substrate comprises a ball grid array substrate.
- 7. (Original) The housing of Claim 5, wherein wire bonds extend between the device and electrically conductive traces on the plastic substrate.
- 8. (Original) The housing of Claim 5, wherein solder bumps on the device are in contact with electrical traces on the plastic substrate.
- 9. (Original) The housing of Claim 1, further comprising electrical leads protruding from the molded body.
- 10. (Original) The housing of Claim 9, wherein the electrical leads comprise conductive traces on a plastic substrate.
- 11. (Original) The housing of Claim 1, wherein the integrated circuit device comprises a plurality of integrated circuit dies.

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- 12. (Original) The housing of Claim 1, wherein the magnetically permeable foil applied to the outer surface of the molded body is approximately parallel to a major surface of the integrated circuit device.
- 13. (Original) The housing of Claim 1, further comprising a layer of adhesive between the outer surface of the molded body and the at least one magnetically permeable foil.
- 14. (Original) The housing of Claim 1, wherein at least one outer surface of the molded body comprises a recess designed to receive the magnetically permeable foil.
- 15. (Original) The housing of Claim 14, wherein the at least one outer surface of the molded body further comprises an overhang along at least a portion of a perimeter of the recess, the overhang providing a mechanical means to hold the magnetically permeable foil within the recess.
- 16. (Original) The housing of Claim 15, wherein the overhang comprises at least one sloped tab protruding into the recess.
- 17. (Original) The housing of Claim 1, wherein the magnetically permeable foil is selected from the group consisting of nickel-iron based alloys, cobalt-iron based alloys, nickel-cobalt based alloys, and amorphous ferromagnetics.
- 18. (Original) The housing of Claim 1, wherein the magnetically permeable foil has a thickness between about 1 μ m and 1000 μ m.
 - 19. (Cancelled)
 - 20. (Cancelled)
 - 21. (Cancelled)
 - 22. (Cancelled)
 - 23. (Cancelled)
 - 24. (Cancelled)
 - 25. (Cancelled)
 - 26. (Cancelled)
 - 27. (Cancelled)
 - 28. (Cancelled)
 - 29. (Cancelled)
 - 30. (Cancelled)

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- 31. (Cancelled)
- 32. (Cancelled)
- 33. (Original) An integrated circuit package, comprising:

an integrated circuit die;

- a molded body encapsulating the die; and
- a magnetic shield layer extending over an outer surface of the molded body and parallel to a major surface of the die, the magnetic shield layer being electrically insulated from the die.
- 34. (Original) The integrated circuit package of Claim 33, wherein the magnetic shield layer is mechanically trapped within a molded recess on an outer surface of the molded body.
 - 35. (Cancelled)
 - 36. (Cancelled)
 - 37. (Cancelled)
 - 38. (Cancelled)
 - 39. (Cancelled)
- 40. (Original) An integrated circuit package comprising an encapsulant surrounding an integrated circuit die, the encapsulant including a recess on an outer surface thereof, and the recess configured for receiving and mechanically retaining a magnetic shield foil.
- 41. (Original) The integrated circuit package of Claim 40, wherein the encapsulant comprises overhanging tabs protruding into the recess for removably trapping the foil within the recess.
- 42. (New) The housing of Claim 1, wherein the magnetically permeable foil is removable.
- 43. (New) The integrated circuit package of Claim 33, wherein the magnetic shield layer is removably attached to the outer surface of the molded body.